

CLAIMS:

1. A golf ball comprising a core and a cover formed of a cover resin composition, characterized in that said core has  
5 a hardness corresponding to a compressive deflection amount of at least 3.5 mm when the load applied thereto is increased from an initial load of 10 kgf to a final load of 130 kgf, said cover resin composition has a melt flow rate of at least 3 as measured according to JIS K7210, and said cover has a  
10 gage of up to 1.7 mm.

2. The golf ball of claim 1, wherein said core has a hardness at its center of 28 to 40 in Shore D hardness and a hardness at its surface of 35 to 52 in Shore D hardness, and  
15 the difference in hardness between the core surface and the core center is 3 to 20.

3. The golf ball of claim 1, wherein said cover resin composition comprises as a resin component at least one  
20 component selected from the group consisting of olefin-unsaturated carboxylic acid copolymers, olefin-unsaturated carboxylic acid-unsaturated carboxylic acid ester copolymers, and metal ion-neutralized products of these copolymers.

25 4. The golf ball of claim 1, wherein said cover resin composition has organic short fibers dispersed and incorporated therein.

30 5. The golf ball of claim 1, wherein said cover resin composition comprises (a) at least one component selected from the group consisting of olefin-unsaturated carboxylic acid copolymers, olefin-unsaturated carboxylic acid-unsaturated carboxylic acid ester copolymers, and metal  
35 ion-neutralized products of these copolymers and (b) a binary copolymer consisting of polyolefin and polyamide components in admixture as a resin component.

6. The golf ball of claim 4, wherein the polyamide in component (b) is in fiber form.
7. The golf ball of claim 4, wherein a weight ratio of (a)/(b) is between 100/0.1 and 100/50.
8. The golf ball of claim 4, wherein in component (b), a weight ratio of polyolefin/polyamide components is between 25/75 and 95/5.